



HEAD AND NECK CANCER PANEL

The Head and Neck Cancer Panel (**ATCC® No. TCP-1012™**) is comprised of 6 cell lines from salivary gland, tongue, hypopharynx and pharynx. Each culture contains genomic mutations in one or more of the following genes according to the Sanger COSMIC database: CDKN2A, TP53, SMAD4, PIK3CA and KDM5C. The table below provides more information for the cell lines included in this panel.

ATCC® No.	Name	tissue	Histology	Tumor Source	Mutant Gene	Zygosity	Gene Sequence	Protein Sequence
HTB-41	A-253	salivary gland	carcinoma	primary	CDKN2A	homozygous	c.49_61del13	p.A17fs*5
					KDM5C	homozygous	c.3354G>A	p.W1118*
					TP53	homozygous	c.539delA	p.E180fs*67
CRL-1623	SCC-15	tongue	carcinoma	primary	TP53	homozygous	c.672+1G>T	p.?
CRL-1628	SCC-25	tongue	carcinoma	primary	CDKN2A	homozygous	c.1_471del471	p.0?
					TP53	homozygous	c.625_626delAG	p.R209fs*6
CRL-1629	SCC-9	tongue	carcinoma	primary	CDKN2A	homozygous	c.1_150del150	p.?
					TP53	homozygous	c.822_853del32	p.C275fs*20
HTB-43	FaDu	hypopharynx	carcinoma	primary	CDKN2A	homozygous	c.151-1G>T	p.?
					SMAD4	homozygous	c.1_1659del1659	p.0?
					TP53	heterozygous	c.376-1G>A	p.?
					TP53	heterozygous	c.743G>T	p.R248L
CCL-138	Detroit 562	pharynx	carcinoma	metastasis	CDKN2A	homozygous	c.1_457del457	p.?
					PIK3CA	heterozygous	c.3140A>G	p.H1047R
					TP53	homozygous	c.524G>A	p.R175H

The mutation data was obtained from the Sanger Institute Catalogue Of Somatic Mutations In Cancer web site, <http://www.sanger.ac.uk/cosmic> Bamford et al (2004) The COSMIC (Catalogue of Somatic Mutations in Cancer) database and website. Br J Cancer, 91,355-358. ATCC and The Sanger Institute provide these data in good faith, but make no warranty, express or implied, nor assumes any legal liability or responsibility for any purpose for which the data are used. The ATCC trademark and trade name, any and all ATCC catalog numbers, and any other trademarks listed are trademarks of the American Type Culture Collection unless indicated otherwise. ATCC products are intended for laboratory research only. They are not intended for use in humans, animals or diagnostics.